

AMENDMENTS TO THE SPECIFICATION

Please replace the first paragraph on page 1 of the application with the following paragraph:

-- This application is a continuation-in-part of U.S. Serial Number 09/613,940, filed July 11, 2000, entitled "Network Device Including Central and Distributed Switch Fabric Subsystems," still pending. --

Please replace the second paragraph on page 7 of the application with the following paragraph:

-- In yet another aspect, the present invention provides a method of operating a network device including transferring network data between a physical layer working port within a physical layer subsystem and a physical network attachment capable of being coupled with another network device, transferring network data between the working port and an upper layer subsystem, and sending a copy of a portion of the network data transferred between the working port and the upper layer subsystem to a physical layer test port. The method may further include sending a copy of another portion of the network data transferred between the physical layer subsystem and the upper layer subsystem to the test port or to another test port. Sending a copy of a portion of the network data transferred between the working port and the upper layer subsystem to a physical layer test port may include programming a cross-connection subsystem to provide connections between the working port, the upper layer subsystem and the test port, re-programming the cross-connection subsystem to provide connections connections between the working port, the upper layer subsystem and another test port, and re-programming the cross-connection subsystem to provide connections between another working port, the upper layer subsystem and the test port. Sending ~~sending~~ a copy of a portion of the network data transferred between the working port and the upper layer subsystem to a physical layer test port may include programming a cross-connection subsystem to provide connections between the working port and the upper layer subsystem and between a receiver of the working port and the test port, programming a cross-connection subsystem to provide connections between the working port and the upper layer subsystem and between a transmitter of the upper layer subsystem and the

test port, and programming a cross-connection subsystem to provide connections between a transmitter of the upper layer subsystem and a transmitter of the working port and between a receiver of the upper layer subsystem and a receiver of the test port. The portion of the network data transferred between the working port and the upper layer subsystem to a physical layer test port may include at least one path. --

Please replace the fourth paragraph on page 15 (which extends to page 16) with the following paragraph:

-- Referring to Fig. 3, UML logical model 280 is used as input to a code generator 336. The code generator creates a view identification (id) and an application programming interface (API) 338 for each process that will require configuration data. For example, a view id and an API may be created for each ATM application 339a-339n, each SONET application 340a-340n, each ~~MPLS~~ IP application 341a-341n and each ~~IP~~ MPLS application 342a-342n. In addition, a view id and API will also be created for each device driver process, for example, device drivers 343a-343n, and for modular system services (MSS) 345a-345n (described below), for example, a Master Control Driver (MCD), a System Resiliency Manager (SRM), and a Software Management System (SMS). The code generator provides data consistency across processes, centralized tuning and an abstraction of embedded configuration and NMS databases (described below) ensuring that changes to their database schema do not affect existing processes. --